REVENTON

LEADING INNOVATIVE BRUSHLESS SYSTEM

WIRELESS WI-FI MODULE

Compatible With:

iPhone
iPad
iPod Touch

** Plastic Case Is Included*

USER MANUAL

WWW.SPEEDPASSION.NET

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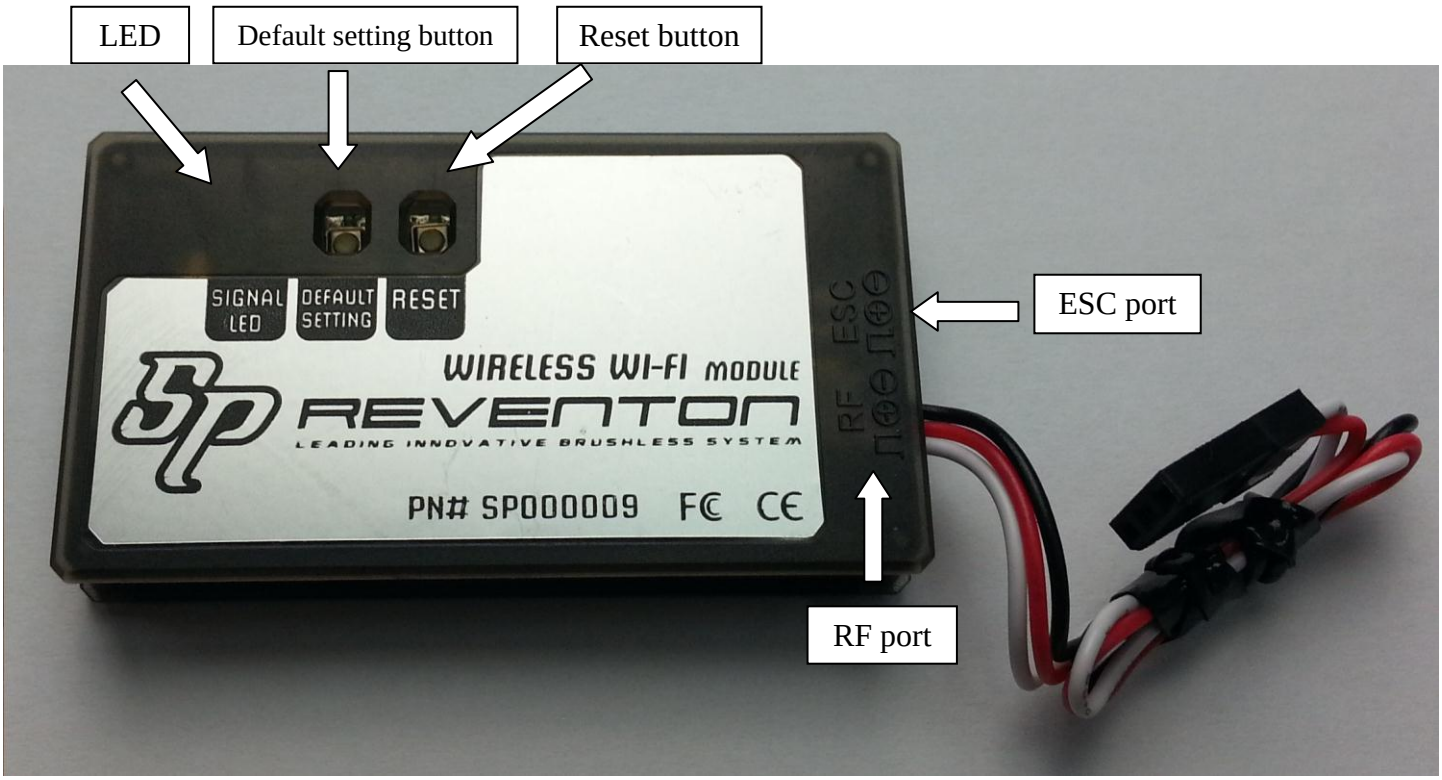
Thanks for purchasing the Speed Passion Reventon Wireless WI-FI module for Reventon ESC Series (Electronic Speed Controller). Please read this user manual thoroughly before using it.

WI-FI Module Layout



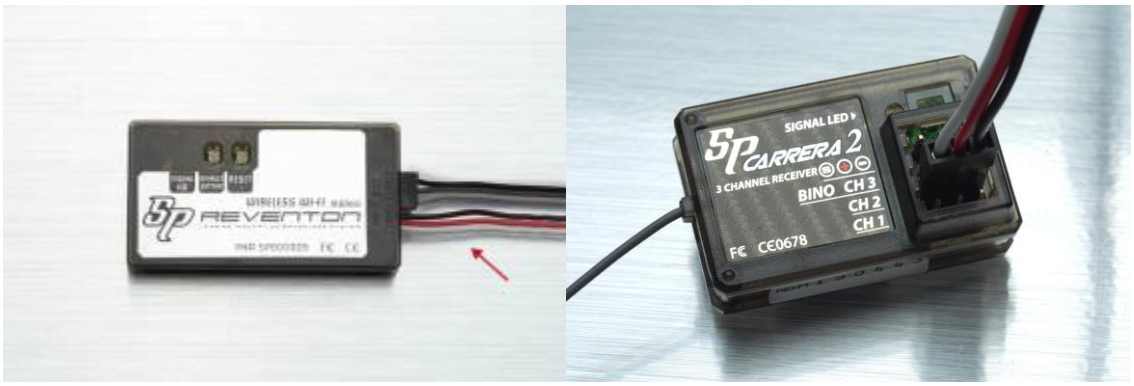
1. Connecting the WI-FI Module:

1.1 Download the “Reventon” App in the Apple App store

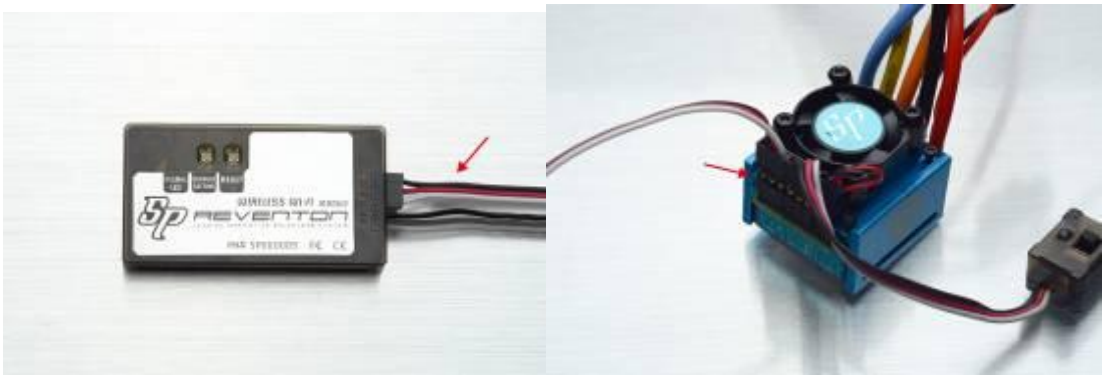
Compatible with iPhone, iPad, iPod touch with iOS 4.1 or above.

Search “Reventon” in App Store or visit the below link:
http://itunes.apple.com/hk/app/reventon/id489795844?mt=8

1.2 Connect the WI-FI Module(RF port) to the Receiver



1.3 Connect the Wi-Fi Module(ESC port) to the ESC



1.4 Turn on the ESC. The RED LED will flash continuously until the WI-FI module is connected with iOS Device (iPhone /iPad/ iPod touch). The RED LED will turn on once connected.

1.5 WI-FI module supports WEP 64 bit encrypted wireless network **(Reference to Page 11)**.

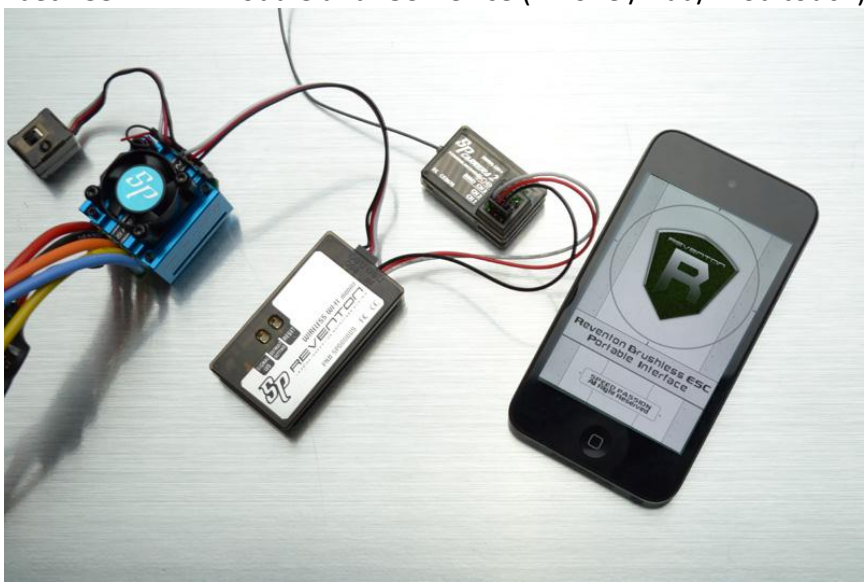
1.6 As long as iOS Device (iPhone /iPad/ iPod touch) is connected to the WI-FI module, the user can change the SSID and set wireless security via the Speed Passion Reventon Application. **(Reference to Page 11)**

1.7 If password has been lost or forgotten, keep the Wi-Fi Module power on and disconnect between iOS Device (iPhone /iPad/ iPod touch) and Wi-Fi module, and hold the “Default Setup” button at the WI-FI Module for 3 seconds.

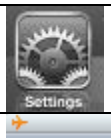
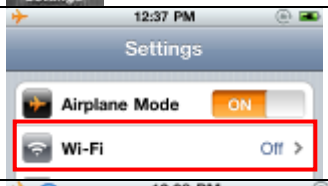
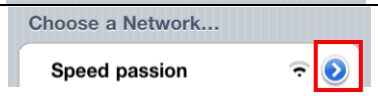
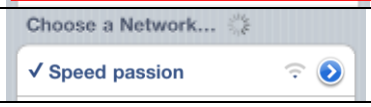
The Wi-Fi configuration will return to factory settings as shown below:

SSID	Speed passion
IP	192.168.11.123
User name	admin
Password	000000

1.8 Connection between WI-FI module and iOS Device (iPhone /iPad/ iPod touch).



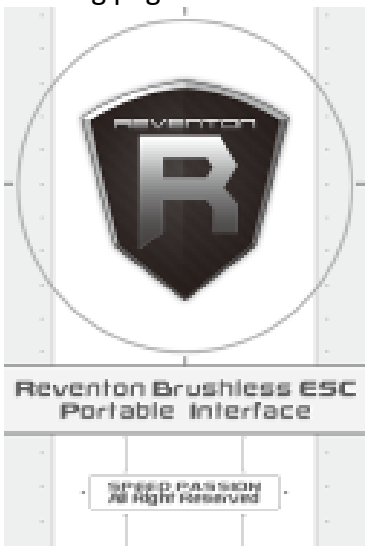
2. Setup WI-FI module:

2.1 Select the “Settings” icon.	
2.2 Select “Wi-Fi” to go to the Wi-Fi Networks screen.	
2.3 Turn Wi-Fi on.	
2.4 Enter Wi-Fi settings by pressing the blue button next to “Speed passion”.	
2.5 Select static network, enter IP address “192.168.11.111”, subnet mask “255.255.255.0”. Go back to Wi-Fi Network screen.	
2.6 Finally, select “Speed passion” Wi-Fi. The WI-FI module is now connected.	

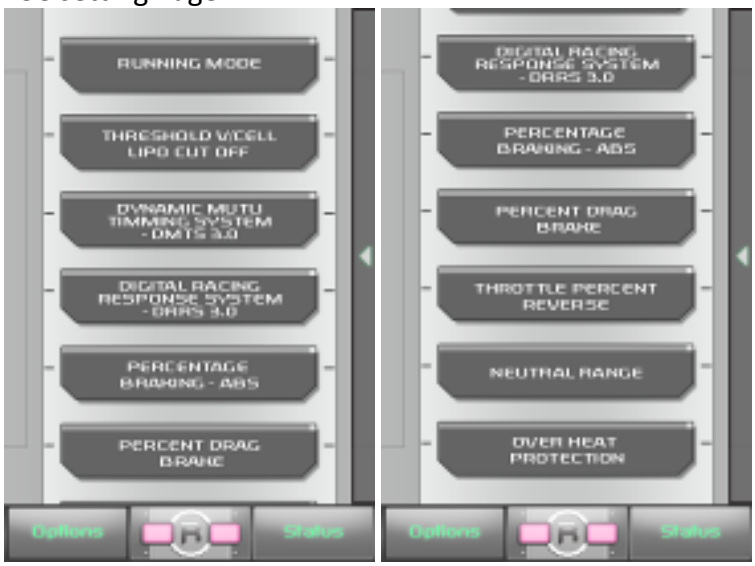
3. Interface

Icon

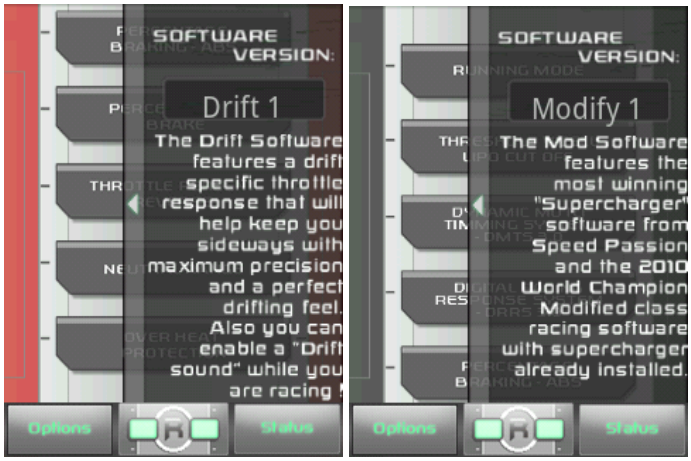
Loading page



ESC setting Page

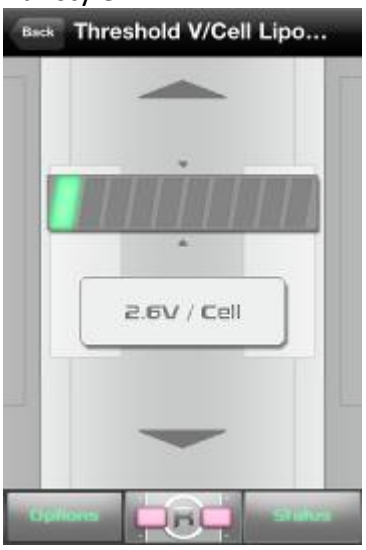


Information bar


SOFTWARE VERSION:
Drift 1
The Drift Software features a drift specific throttle response that will help keep you sideways with maximum precision and a perfect drifting feel. Also you can enable a "Drift sound" while you are racing
Options
Status
SOFTWARE VERSION:
Modify 1
The Mod Software features the most winning "Supercharger" software from Speed Passion and the 2010 World Champion Modified class racing software with supercharger already installed.
Options
Status

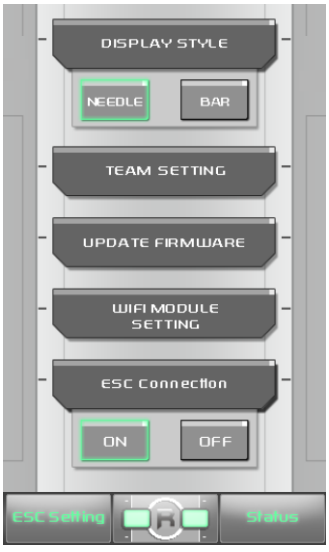
Needle style

Bar style

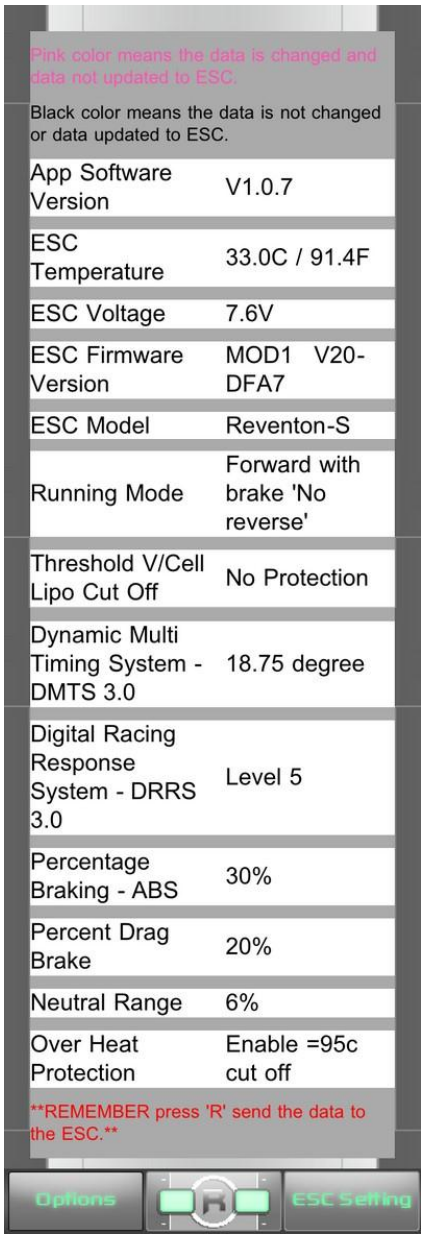


Connection page

Option page



Status page


Pink color means the data is changed and data not updated to ESC.
Black color means the data is not changed or data updated to ESC.
App Software Version
V1.0.7
ESC Temperature
33.0C / 91.4F
ESC Voltage
7.6V
ESC Firmware Version
MOD1 V20-DFA7
ESC Model
Reventon-S
Running Mode
Forward with brake 'No reverse'
Threshold V/Cell Lipo Cut Off
No Protection
Dynamic Multi Timing System - DMTS 3.0
18.75 degree
Digital Racing Response System - DRRS 3.0
Level 5
Percentage Braking - ABS
30%
Percent Drag Brake
20%
Neutral Range
6%
Over Heat Protection
Enable =95c cut off
REMEMBER press 'R' send the data to the ESC.
Options
R
ESC Setting

4. Reventon app flow chart

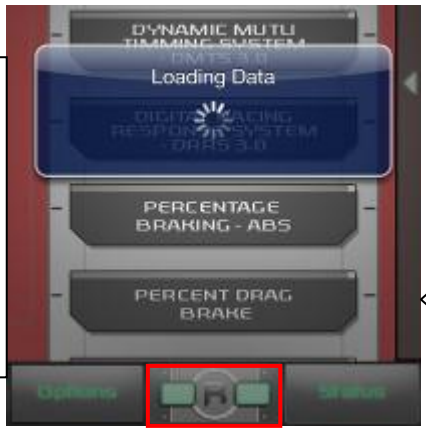
Go to Loading Page

After Loading

- Select “Connected” to connect to ESC.
- Select “NO” show the tutorial of download firmware and setup WI-FI module.

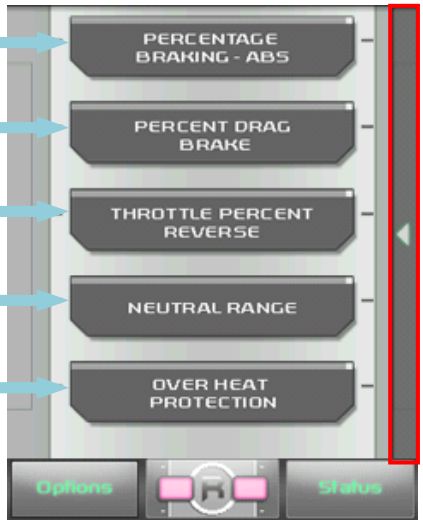
Connected to Wi-Fi module?
"NO" - offline mode for download ESC firmware
"Connected" - online mode for connect to ESC
NO
Connected

Connect to ESC



If connected to the ESC, the tool bar center button (red area) image will change and will receive data from ESC

Main screen

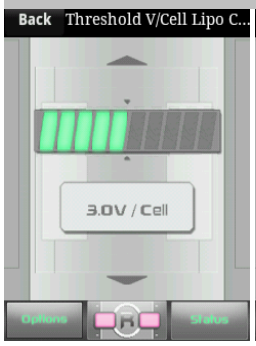


1. ESC Setting Page

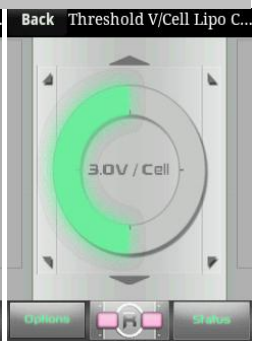
Pull out arrow (red area) show the software bar

Press programmable items to change value

Bar style



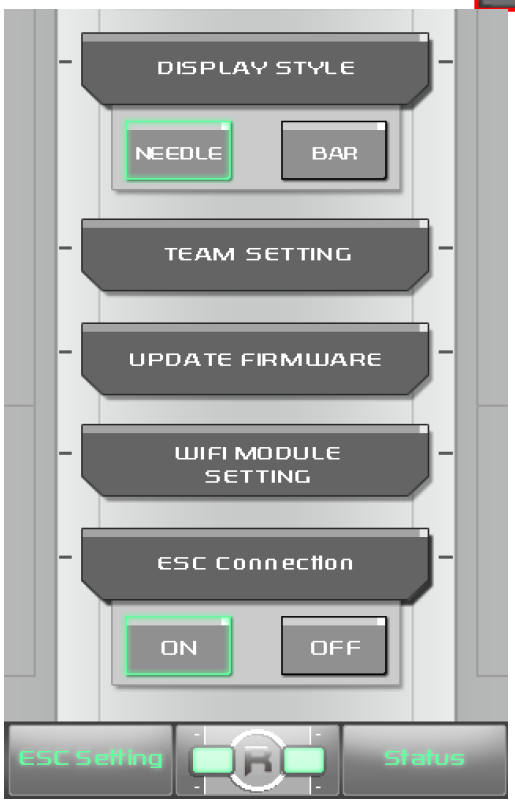
Needle style



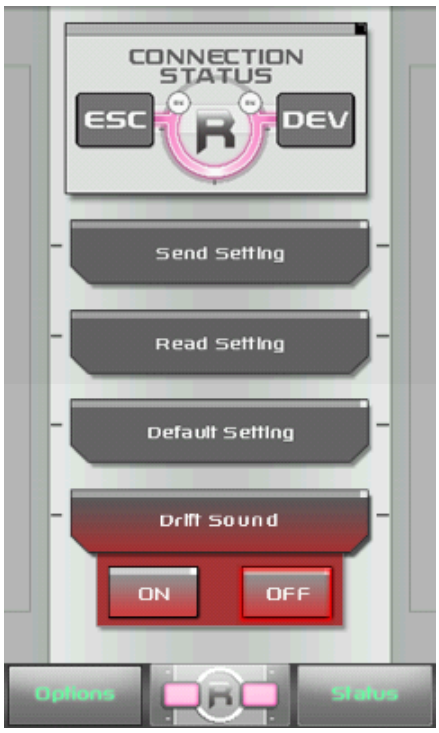
Tool Bar

1. ESC Setting page

3. Option Page



2. Connection Page



4. Status Page

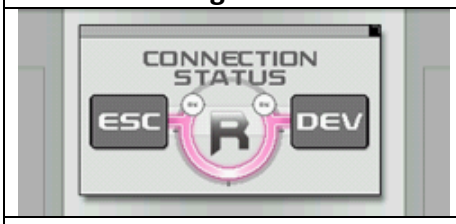
Pink color means the data is changed and data not updated to ESC.

Black color means the data is not changed or data updated to ESC.

App Software Version	V1.0.7
ESC Temperature	33.0C / 91.4F
ESC Voltage	7.6V
ESC Firmware Version	MOD1 V20-DFA7
ESC Model	Reventon-S
Running Mode	Forward with brake 'No reverse'
Threshold V/Cell Lipo Cut Off	No Protection
Dynamic Multi Timing System - DMTS 3.0	18.75 degree
Digital Racing Response System - DRRS 3.0	Level 5
Percentage Braking - ABS	30%
Percent Drag Brake	20%
Neutral Range	6%
Over Heat Protection	Enable =95c cut off

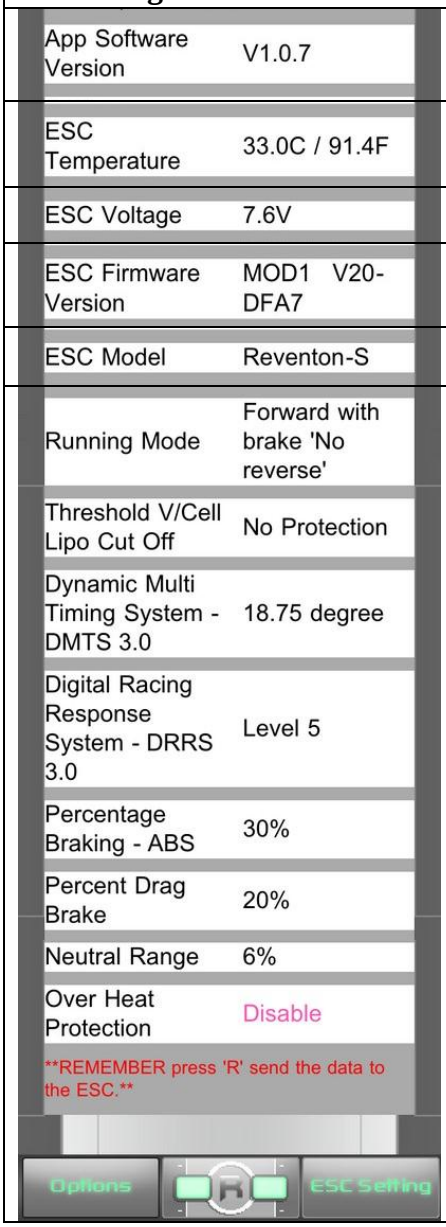
REMEMBER press 'R' send the data to the ESC.

Options ESC Setting

Connection Page functions	
	● Show the connection status. Green – Connected Pink - Disconnected
	● Send setting data **As long as any parameter data is changed, user must press "send setting" button to send the setting data to the ESC.**
	● Read setting data
	● Reset to default setting data.
	● If the esc is in the drift program mode, user can play the drift sound.

Option Page functions	
	● Choose the display style of set esc setting page.
	● Go to team setting page
	● Update firmware
	● Setup WI-FI module
	● Turn On/Off ESC Connection **Before close the Reventon app, must disconnect to the ESC connection. Otherwise, the ESC could not be control by the Receiver**

	LED light status
If ESC Connection ON	Flash per 0.5 second
If ESC Connection OFF	Flash 2 times per 2 second

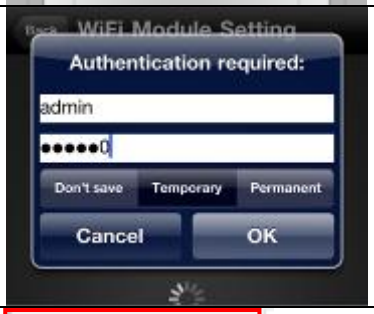
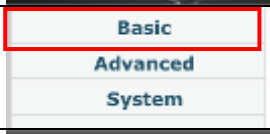
Status Page functions	
	• Show app software version • Show ESC Temperature • Show ESC Voltage • Show the ESC firmware version • Show the ESC model • Show all setting data and motor rotation • Words will change to **pink color** if the data changed – example Over Heat Protection from Enable change to Disable

5. Notification Light

WI-FI Module	If light shows
WI-FI module not connect to any devices	Flash per 2 second
WI-FI module is connected to iOS Device (iPhone /iPad/ iPod touch)	Turn on
WI-FI module is connected to “Reventon” app	Flash per 0.5 second
WI-FI module is connected to iOS Device but module is disconnected with “Reventon” app	Flash 2 times per 2 second

6. Change wireless network name (SSID) and set wireless security setting

Speed Passion strongly recommend you change the WIFI module SSID and set WEP encryption implement wireless security.

5.1 Connect WI-FI module network.	
5.2 Open the Reventon app.	
5.3 Go to the “Options” page and select the “WiFi Module Setting” button.	
5.4 Enter username and password and select the “OK” button to login into the website. Default username is: admin Default password is: 000000	
5.5 Select the “Basic” page.	
5.6 SSID – This is the wireless network name. Enter a name in this field (maximum 32-character, space and symbol is invalid character). 5.7 Encryption – you can use this setting to improve the wireless security. Speed Passion recommends that you set WEP64. 5.8 Key Format - Speed Passion recommends that you set HEX 5.9 Key Index - Speed Passion recommends that you set 1 5.10 Encryption Key – 10 digits (0-9, A-F) example1: 0123456789 example2: 56789ABCDE 5.11 Press Save button for save your setting	
5.12 Press OK to save your setting	
5.13 WI-FI module will restart, exit Reventon app and repeat Step 2.1 – 2.6 to reconnect Wi-Fi.	**Wifi module is restarting, please waiting (for about 10s)**

Exemption Clause:
Speed Passion does not have control over the installation or use of this product therefore no liability for any damages incurred in its use will be accepted. Operation of this product is at the user's risk. The use of R/C models requires a degree of skill, If you are a beginner please consult the advice of an experienced user to prevent injury to goods or other persons.

Caution:

Do not operate the Wi-Fi module at voltages lower than 5.5V or higher the 6.0V battery, damage to the ESC can result.

Product warranty period:

Product Warranty:

30 days limited warranty, this product is guaranteed to be free from defects in materials or workmanship for a period of 30 days from the original date of purchase (Verified by sale receipt dated). User accepts all resulting liability. We reserve the right to modify warranty provisions without further notice. Warranty does not cover incorrect installation, components worn by use, or any damage caused by crash, flooding or natural disaster. The company has no control over the installation of this product; no liability may be assumed nor will be accepted for any damage resulting from the use of this product.
2 month return time for any repair or services, detail update RMA services process please check with your local dealer or www.speedpassion.net

Please visit www.SpeedPassion.net for updated ESC information and new software update releases!